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(SSUE SLIP STAPLE AREA (for additional cross reterences)

| POSITION                  | INITIALS | ID NO. | DATE |
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|                           |          |        |      |
| FEE DETERMINATION         |          |        |      |
| O.I.P.Z. CLASSIFIER       |          |        |      |
| FORMALITY REVIEW          |          |        |      |
| RESPONSE FORMALITY REVIEW |          |        |      |

937,126

## INDEX OF CLAIMS

| ✓ Rejected                   | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | IInterference |
| — (Through numeral) Canceled | A Appeal      |
| - Restricted                 | O Objected    |

| 'n  |       | 1          | Æ,         | 44           | 246  |  | į,       | دان          | e d      | (6)            | 1               | Çİ.      | 13 | à le     | Ú        |          | M/A       | <u>, a</u> | ψ        | W.       | 4        | 37.      | 4        | .3.             | <u> </u> |          | ýVi      | e si            | y.        | Ni      | 1            | n j            | <b>1</b> } | ħ,   | 機   | ÇÇĞ      |
|-----|-------|------------|------------|--------------|--|--|----------|--------------|----------|----------------|-----------------|----------|----|----------|----------|----------|-----------|------------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|-----------------|-----------|---------|--------------|----------------|------------|--|---|----------|
| 7   | Cla   | 3          | , <b>/</b> |              |  | . (  | Date     | 9            |          |                |                 |          |    | đ        | lm       |          |           |            | - 1      | Date     | <u> </u> |          |          |                 |          | Cli      | im       |                 |           |         | Da           | e              |            |  |   | ╝        |
| Ì   | 7     |            | 77         | 8            | 삵  |  | $\neg$   |              | T        | $\neg$         | Т               | ٦        | ĺ  |          | <b>a</b> |          | П         |            |          | $\neg$   |          |          |          |                 |          |          | ਰ        | 1               |           |         |              |                |            | T  | Т   | ٦        |
| 1   | ايج   | Driginal   | Z          | V            | P<br>S   | ١  | - 1      | - 1          | - 1      | ı              | - 1             | ١        |    | a        | Original |          | - 1       | ı          | - 1      |          | 1        | į        | 1        | - 1             |          | 78       | Original | - 1             | ŀ         |         |              |                |            | - 1  | ı   | - }      |
| 1   | 2     | š          | V          | Ñ            | 4  | -  | -        | - 1          | - 1      |                | - 1             | 1        |    | Final    | हैं।     |          |           |            | ļ        | - 1      |          | -        | Ì        |                 |          | Final    | ठ        |                 |           |         | 1            |                |            |  |   | -        |
| 1/1 | īŢ    | ٦          | 4          | Ż            | 킑  | 7  | -        | -            | _        | ┪              | _               | ┪        |    |          | 51       | ┪        | $\neg$    | 7          |          | _        |          | 7        |          | $\neg$          | 7        |          | 101      |                 | 1         | 1       | 1            |                |            | $\top$   | $\top$  | ٦        |
|     | 2     | 2          | H          |              | 뒴  | $\dashv$   | $\dashv$ | $\dashv$     |          | -              | ᅥ               | ᅦ        |    | H        | 52       |          | _         | 7          | 7        | _        | ┪        | 寸        | ヿ        | $\top$          | ┑        |          | 102      | 1               | †         | 7       | $\vdash$     |                |            | ┪  | ナ   | 7        |
|     |       | 3          | Н          |              | 뒤  | -+   |          | -            | -        | +              | +               | ᅥ        |    | -        | 53       | $\dashv$ | -         | -          | -+       | 十        | ┪        | 7        | -        | $\dashv$        | ┪        | $\vdash$ | 103      |                 | 十         | +       | t            | H              | $\vdash$   | +  | +   | $\dashv$ |
|     | 3     |            | Ш          |              | 딁  |  |          |              | 1        |                |                 | ᅱ        |    | $\vdash$ | 54       | -        | ⊣         | -          | ┥        | $\dashv$ | -1       | -        |          | ┰┼              | $\dashv$ | ·        | 104      | +               | ╁         | +-      | ╌            | -              | Н          | ┰  | +   | $\dashv$ |
| P   | 5     | 4          | Н          | _            | _  | -  | {        | $\dashv$     |          |                | -+              | $\dashv$ |    | _        | 55       | -1       |           | -          | $\dashv$ | $\dashv$ | ┪        | ╛        | -        | -               | $\dashv$ | -        | 105      | -               | +         | ╅       | ╁╌           | -              | Н          | 十  | +   | $\dashv$ |
| ļ   | 4     | 5          | Щ          | V            | Ξ  |  |          | Н            | -        |                | -               | ┈┤       |    | H        | $\vdash$ |          |           | ┥          | -        | -+       | -1       | +        | -+       | +               | ┥        | -        | 106      | -+-             | ╁         |         | <del> </del> | -              | Н          | ┰  | ╅   | $\dashv$ |
| 4   |       | <b>B</b> . | Ш          | V            | ,_   | -  | _        | $\dashv$     | _        | -              | -               | -        |    | <u> </u> | 56       | $\dashv$ | -         | $\dashv$   |          | $\dashv$ | -1       | -        | -        | -+              | $\dashv$ | ⊢        | 107      |                 | +         | ┿       | ┞-           | $\vdash$       | Н          | $\dashv$   | +   | $\dashv$ |
|     | 6     | 7          | Ш          | 2            | Ξ  | _  | _        | _            |          |                | 4               | 4        |    | L        | 57       |          |           | $\dashv$   |          | -        |          | -        | -+       | -+              |          | -        | -        |                 | ╀         | +-      | ⊢            | Н              | $\vdash$   | $\dashv$   | +   |          |
|     | 7     | 8          | Ш          | 2            | Ξ  |  | _        | Ц            |          | _              | _               | _        |    | _        | 58       | _        |           |            |          | -        |          | -1       |          | +               | -        |          | 108      |                 | +         | +       | ╀            | <del> </del> - | ┝┥         | -  | +   | -        |
| I   | 8     | 9          | Ш          | V            | =  | Ш  | _        | Ш            |          |                | _               |          |    | ┕        | 59       | _        | _         |            | _        | _        |          | _        | -        |                 | 4        | <u> </u> | 109      | -               | ╀         | -       | ╄            | Ļ              | Н          | -  | 4   | 4        |
|     | 9     | 10         |            | 7            | =  |  |          |              |          |                |                 |          |    | L        | 60       | $\Box$   | _         | _          | _        |          | _        | $\dashv$ | _        | 4               | _        | -        | 110      | $\perp$         | 4         | _       | _            | ļ              | Щ          | 4  | _   | _        |
|     | 10    | 11         |            | K            | =  |  | _ [      |              |          |                |                 |          |    |          | 61       |          |           |            | _        | $\perp$  | _        | $\perp$  | _1       | _               |          |          | 111      | _               | ╀         | ᆚ       | 1            | ╙              | Ш          | _  | 4   | _        |
| -1  |       | 12         | I          | V            | =  |  |          |              |          |                | J               |          |    | L        | 82       |          |           |            | l        |          | I        |          |          | [               |          | L        | 112      | 닓.              | 1         | 1       | _            | <u> </u>       | Ш          |  | ┙   | _        |
| ı   | 2     | 13         | П          | V            | 1  |  |          |              |          |                |                 |          |    |          | 63       |          |           |            | $\Box$   |          |          |          |          |                 | _]       | L        | 113      |                 | 1         |         | L            | L              |            | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | 丄   |          |
|     | _     | 14         |            | V            | =  |  | $\dashv$ | Н            | $\Box$   | $\Box$         | 7               |          | ĺ  | Г        | 64       |          | $\neg$    |            |          | П        | ٦        | П        | T        | $\Box$          | 7        | Γ        | 114      |                 | I         | $\perp$ |              | 匚              |            | $_{ m I}$  | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |
|     |       | 15         |            | 1            | =  | H  | $\dashv$ | Н            |          | $\dashv$       | 7               | _        |    |          | 65       | П        | ╗         | $\neg$     | $\neg$   | ヿ        | ┪        | ヿ        | T        |                 |          |          | 115      |                 | Ţ         | Ι       |              |                |            |  | $_{ m J}$   |          |
| 1   | ~4    | 18         | Η.         | ۲-           | 7  | $\vdash$   | $\dashv$ | Н            | $\dashv$ | $\dashv$       | -               | 7        | ĺ  | <u> </u> | 68       | $\Box$   | $\neg$    |            | -        | $\dashv$ | 7        | $\dashv$ | 1        | $\neg$          | $\neg$   |          | 116      |                 | T         |         | Τ            | П              | П          | $\neg$   | 丁   | $\neg$   |
| ł   |       | 1          | ٧          | ├            | -  | $\vdash$   |          | Н            | $\vdash$ |                | -1              | =        |    | <b>-</b> | 67       | Н        | $\exists$ |            | -        |          | -1       | ┪        | 7        | 十               | ┑        |          | 117      |                 | T         | 1       | Т            | Г              | П          | $\neg$   | 寸   | $\neg$   |
| ŀ   |       | 18         | -          |              | Έ,   | $\vdash$   | -        | Н            | $\vdash$ | $\vdash$       | $\dashv$        | _        |    | ┢        | 68       | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$ | ┪        | -        | ᅥ        | $\dashv$        | 7        | $\vdash$ | 118      |                 | 十         | ╅       | 1            | 1-             |            | T  | ヿ   | ヿ        |
| ŀ   |       | _          |            |              | 71/  | Н  | -        | Н            | $\vdash$ | Н              | -               | _        |    | ⊢        | 69       |          | $\dashv$  | $\dashv$   |          | $\dashv$ | ᅱ        | -        | ┪        | +               | -        | $\vdash$ | 119      |                 | +         | +-      | +-           | ╁              |            | _  | 7   | ┨        |
| ١   | -4    | 19         | <u> </u>   | V            | Ė  |  |          | Н            |          |                | $\dashv$        |          |    | <b>}</b> |          | -        | -         | $\dashv$   | -        | $\dashv$ |          |          | -        | $\dashv$        | $\dashv$ | ┢        | 120      |                 | +         | +       | ╁            | ├              | ┢─┤        | $\dashv$   | 十   | ᅱ        |
| -1  |       | 2þ         | Ш          | 7            |  |  |          |              |          |                |                 |          |    | L        | 70       |          |           |            |          | _        | _        | _        | 4        | 4               | _        | -        | _        |                 | +         |         | ╀            | ₽              | -          | $\dashv$   | $\dashv$  | $\dashv$ |
| -   |       | 2          |            | V            |  |  |          |              |          |                |                 |          |    | L        | 71       | Щ        |           |            |          | _        | _        | _        | _        | $\perp$         | _        | <u> </u> | 121      | $\vdash$        | 4         |         | <del> </del> | <u> </u>       | Н          |  | -+  | -        |
| - [ |       | 2          | •          | N            |  |  |          |              |          |                |                 |          |    | ட        | 72       |          |           |            |          |          |          |          | _        |                 | _        | $\vdash$ | 122      | Ц.              | 4         | _       | ↓_           | <del> </del>   | Щ          |  | -   | -4       |
| ı   |       | 2          | Г          | 7            |  |  |          |              |          |                |                 |          |    | Ĺ        | 73       |          |           |            |          |          |          | l        |          |                 | ┙        | L        | 123      | $\perp$         | 1         |         | 1            | ļ              | _          | $\Box$   | _   | 4        |
| - 1 |       | 4          | Г          | N            |  |  |          |              |          |                |                 |          |    |          | 74       |          |           |            |          |          |          |          |          |                 |          |          | 124      | Ŀ               | L         |         | ┸            |                | Ш          | $\sqcup$   |   | -1       |
| ١   |       | 毒          |            | N            |  |  |          | П            |          |                |                 |          |    | Г        | 75       |          |           |            |          |          |          |          |          |                 |          | -[_      | 125      |                 |           | 1       | 1            | L              | Ш          | Ш  | _   | _        |
| ı   |       | #          | 1          | N            |  | П  |          | П            | •        | П              |                 |          |    | Г        | 76       |          |           |            |          | П        |          |          | П        | П               | 7        |          | 126      |                 | Τ         |         |              |                |            | Ш  |   | _        |
|     |       | #7         | ٠,         | Ň            |  |  |          |              |          | _              |                 | _        | ŀ  |          | 77       |          | ·         |            |          |          |          |          |          | $\neg$          | 7        | Ŀ        | 127      | $\Box$          | Ţ         |         | Τ.           |                |            |  | ┙   | ⅃        |
| ٦   | 7     | 20         | ┥          | ۳            | =  | Н  |          | Н            | П        | Н              | Н               |          | ł  | H        | 78       |          | _         |            |          | Н        |          | _        | 7        |                 | ٦        |          | 128      |                 | T         | Т       | Т            | Γ              |            |  |   |          |
| 4   |       | 29         | ┝-         | -            | -  | Н  |          | Н            | Н        | Н              | -               | -        | ĺ  | -        | 79       | Н        |           | -          | ~~       |          | _        | ┪        | ┪        | $\dashv$        | 1        | 1-       | 129      |                 | T         | 1       | 1            | Г              | П          |  | П   |          |
| ı   | -     | 30         | -          | -            | Н  | Н  |          |              |          | Н              | -               | _        |    | Н        | 80       | Н        | -         | -          | -        |          |          | -        | ᆔ        | 7               | ┥.       | -        | 130      |                 | $\dagger$ | +       | 1            | 1              | Г          | $\Box$   | ┑   | П        |
| ١   | -     | 31         | ├-         | ├            |  | Н  | -        | -            | -        | Н              | Н               | _        |    | ⊢        | 81       | -        |           |            | -        | $\vdash$ | $\dashv$ |          | ᅥ        | +               | ┥.       | $\vdash$ | 131      |                 | +         | +       | $\top$       | 1-             |            | $\Box$   | ╗   | $\neg$   |
| 1   | _     | _          | ┡          | ⊢            | <u> </u>   | $\vdash$   | Н        | Н            |          | Н              | ┝╾┥             | _        |    | -        | -        | Н        |           | Н          | -        | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | ⊢        | 132      |                 | +         | +       | t            | ┢              | 1          | П  | $\dashv$  | ヿ        |
| 1   | _     | 32         | 4          | -            | $\vdash$   | Н  | Н        | ┝╌           | $\vdash$ | <del>   </del> | $\vdash$        | _        |    | $\vdash$ | 62       | Н        | Н         | ┉          |          | H        | _        |          | {        | $\dashv$        | - ∙      | -        | 133      | $\vdash \vdash$ | +         | +       | t            | +-             | 1          | П  | _   | $\dashv$ |
|     |       | 33         | 1-         | <b> </b>     | <u> </u>   | <b> </b>   | Щ        | L            | <u> </u> |                | $\vdash \vdash$ |          | 1  | $\vdash$ | 83       | H        | H         | Н          | $\vdash$ | Н        | _        | -        |          | $\vdash$        | $\dashv$ | $\vdash$ | 134      | ┝╼┼             | +         | +       | +            | +-             | +          | $\neg$   | -1  | 一        |
| Į   | _     | 34         | ╙          | <b>!</b> _   | <u> </u>   |  |          | ļ            | _        | $\vdash$       | Ш               | _        | l  | <b> </b> | 84       | $\vdash$ | <u> </u>  | Щ          | Н        | Ш        |          | $\dashv$ | _        | $\dashv$        | $\dashv$ | $\vdash$ | 135      | ├├-             | +         | +       | +            | +-             | -          | $\vdash$   | $\dashv$  | ᅱ        |
| 1   |       | 35         | L          | <u> </u>     | L_   | Ш  |          |              | <u> </u> |                |                 |          | l  | <u></u>  | 85       |          |           |            | $\vdash$ | $\vdash$ |          |          | ļ        | $\vdash$        |          | <b>⊢</b> | 136      | ┝╌┼╴            | ┿         | +       | +-           | +-             | +-         | ┝╌┨  |   | -        |
| Ì   | اــــ | 36         | L          | _            | L  |  | _        |              | L.:      | L              | Ш               | _        |    | <b>Ĺ</b> | 86       | Щ        | _         |            | Ш        | Щ        | _        | Щ        | _        | $\vdash \vdash$ | _        | <u> </u> |          | <u> </u>        | -         |         | +            | +              | ╁          | ┝╌┤  | -1  | $\dashv$ |
|     |       | 37         | Ĺ          | L            |  |  |          | L            |          |                | Ш               |          |    | L        | 87       |          | L.        |            | L        | Ш        | _        |          |          | Ш               | _        | <br> -   | 137      | ╌               | 4         | +       | - -          | +-             | -          | ┟╌┥  | $\dashv$  | -        |
|     |       | 38         | Γ          | Γ            |  |  |          |              |          |                |                 |          |    | L        | 88       |          | L         |            |          |          |          | $\Box$   |          | Ш               | _        | L        | 138      | -               | 4         | 4       | +            | <del> </del> _ | 1-         | 니  |   | $\dashv$ |
| - 1 |       | 39         |            | Γ            |  | Γ  | Г        | Γ            |          |                |                 |          | ]  |          | 69       |          |           | Ĺ          |          |          |          |          |          |                 |          | L        | 139      | 1               | 1         |         | ╄            | ╀              | ↓_         |  | <del>                                     </del>  | μ.       |
| - 1 | _     | 40         | 1          | Т            | Ι  | Г  |          | Г            | Г        | Г              |                 |          | ]  | Г        | 90       |          |           |            |          |          |          |          |          | Π               |          |          | 140      |                 | 1         |         | 1_           | L.             | L          | Ш  | Ш   | _        |
|     |       | 41         |            | -            | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$     | Т        | Н              | Н               | ┢        | 1  | 1        | 91       | 1        | _         | _          | Г        | Т        | П        |          | $\neg$   |                 | ヿ        |          | 14       |                 | Т         |         | T            | Γ              |            |  | $\sqcup$  |          |
|     | _     |            |            | 1-           | ⊢  | $\vdash$   | $\vdash$ | ╁            | $\vdash$ | -              | $\vdash$        | -        | 1  | $\vdash$ | 92       | 1-       | -         | ┢┈         | -        | ╁─       | -        | Н        | Н        | H               | $\dashv$ | <b>—</b> | 14       |                 | 7         | +       | 1            | 1              | T          | П  | П   |          |
|     | _     | 42         |            | ╂            | -  | -  |          | ⊢            | $\vdash$ | ├              | Н               | -        | 1  | -        | 93       |          | -         | $\vdash$   | $\vdash$ |          | Ι        | Н        |          |                 | $\dashv$ | <b>-</b> | 143      |                 | 十         | -       | 十            | +              | T          |  | $\sqcap$  | $\neg$   |
|     |       |            |            | <del> </del> | -  | -  | -        | <del> </del> | -        | ├              | ┝               | <u> </u> | 1  | <b> </b> |          |          | -         | -          | -        | $\vdash$ | H        |          | Н        | $\vdash \vdash$ | $\dashv$ | ⊢        | 144      |                 | +         | +       | +-           | 十              | T          | М  | П   | $\neg$   |
| İ   |       | 44         |            | 1_           | <u> </u>   | <u> </u>   | _        | <b>!</b>     | L-       | <u> </u>       |                 | L_       | 1  | <u>_</u> | 94       |          | <u> </u>  | <u> </u>   | _        | -        | ļ        | <u> </u> | Ш        |                 | -        | -        | 14       |                 | +         |         | ╁            | +-             | +-         | $\vdash$   |   | $\dashv$ |
| 1   |       | 45         |            | 4_           | $\vdash$   | <u> </u>   |          | $\vdash$     | ╙        | <b>L</b>       | Ш               | L        | Į  | <u>_</u> | 95       |          | <b> </b>  | <u></u>    | <u> </u> | $\vdash$ | <u> </u> | <u> </u> | Щ        | ⊢┩              | $\dashv$ | -        |          |                 | +         | +-      | +-           | +              | +          | H  | М   | ⊣        |
|     | _     | 46         |            | 1            | L  | L  | <u>_</u> | L            | L        | <u></u>        | <u> </u>        | L        | 1  | L        | 96       |          | ļ         | L.         | L.       | <u> </u> | <u> </u> | Ш        | Щ        | Ш               | $\dashv$ | _        | 146      |                 | 4         | - -     | +-           | ┿              | +-         | $\vdash$   |   | $\dashv$ |
|     |       | 47         |            | L            | L  | L  | L        | L            | L        |                | L               |          | ]  | L        | 97       |          | _         | <u> </u>   | <u></u>  | L        | L        | Ш        |          | Ш               | $\Box$   | ┕        | 147      |                 | 4         | -       | - -          | ╀              | ┼-         | ├-   | Н   |          |
|     |       | 48         |            |              |  |  |          |              | $\Gamma$ |                |                 |          | ]  |          | 98       |          | L         | Ĺ          | Ĺ        |          | L        |          |          |                 |          | L        | 141      | -               | 4         | 4       | 4            | +              | ╀          | -  |   | !        |
|     |       | 49         |            | Г            | 1  |  |          | П            | Г        |                |                 | Γ        |    |          | 99       |          | 匚         |            |          | Ĺ        |          |          |          | LI              |          | L        | 14       |                 | 4         | 4       | 1            | 4              | <u>Ļ</u>   | <u> </u>   | H   |          |
| -   |       | 50         |            | 1            | 1  | 1  |          | т            |          | 1              | Г               | _        | 1  |          | 100      | 1        | г         | г          | Г        | Г        |          |          | _        | П               | 7        |          | 154      | ı i             | -         | ı       | 1            | 1.             | !_         | $\Box$   | Ш   |          |

If more than 150 claims or 10 actions staple additional sheet here